AMENDMENTS TO THE CLAIMS

Please delete the centered heading ~~Claims~~ at page 12.

Before claim 1, please insert the following heading at the left-hand margin: <u>We Claim</u>:

The following listing of claims replaces all prior listings, and versions, of claims in the subject patent application.

<u>Listing of Claims</u>

1. (Currently amended) Method for displaying data of a machine control system <u>comprising</u>:

    · receiving status data for at least one element of the system, which represent at least one physical state variable;

    representing the status data which have been received for the element;

    representing a ~~control~~ <u>circuit</u> diagram, which displays, at least for the element, the electrical connection of the element in the system;

    where the representation of the status data which have been received for the element occurs in the represented circuit diagram.

2. (Original) Method according to Claim 1, where the representation of the circuit diagram occurs using a characterization, which has been stored for the element, and associated connection data, which represent the electrical connection of the element in the system.

3. (Original) Method according to Claim 2, where the characterization allows the association of the element with its status data.

4. (Currently amended) Method according to ~~one of Claims 1-3,~~ <u>Claim 1,</u> where the status data are displayed <u>one of</u> at or on the represented element in the ~~wiring~~ <u>circuit</u> diagram.

5. (Currently amended) Method according to ~~one of Claims 1-4,~~ <u>Claim 1,</u> where the step of ~~the~~ receiving the status data also comprises an identification of

elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

6. (Currently amended) Method according to ~~one of Claims 1-5,~~ Claim 1, where, in response to user input, which establishes a preset value for the represented status data, the preset value is set as a value for the corresponding state variable in the machine control system.

7. (Currently amended) Method according to ~~one of Claims 1-6,~~ Claim 1, where corresponding target values are displayed with the status data for the element.

8. (Currently amended) Method according to ~~one of Claims 1-7,~~ Claim 1, where corresponding limit values are displayed with the status data for the element.

9. (Currently amended) Method according to ~~one of Claims 1-8,~~ Claim 1, where previous status data for the element are represented, which indicate at least one previous value for the state variable.

10. (Currently amended) Device which is adapted for carrying out a method according to one of Claim 1. ~~Claims 1-9 for the machine control system.~~

11. (Currently amended) Device according to Claim 10, where the device is a mobile end device, which is used for one of the startup process, maintenance or error diagnosis of ~~the~~ a machine control system.

12. (Currently amended) A system comprising the device according to Claim 10 in combination with a ~~or 11 and the~~ machine control system.

13. (New) Method according to Claim 2, where the step of receiving the status data also comprises an identification of elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

14. (New) Method according to Claim 2, where, in response user input which establishes a preset value for the represented status data, the preset value is set as a value for the corresponding state variable in the machine control system.

15. (New) Method according to Claim 5, where, in response to the user input which establishes a preset value for the represented status date, the preset value is set as a value for the corresponding state variable in the machine control system.

16. (New) Method according to Claim 2, where corresponding target values are displayed with the status data for the element.

17. (New) Method according to Claim 1, where corresponding limit values are displayed with the status data for the element.

18. (New) Method according to Claim 7, where corresponding limit values are displayed with the status data for the element.

19. (New) Method according to Claim 7, where previous status data for the element are represented which indicate at least one previous value for the state variable.

20. (New) Method according to Claim 8, where previous status data for the element are represented which indicate at least one previous value for the state variable.